

Title (en)

METHOD FOR PRODUCING AGGLOMERATED ORE, METHOD FOR PRODUCING REDUCED IRON, AGGLOMERATED ORE, SINTERING MACHINE AND PELLET FIRING FURNACE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON AGGLOMERIERTEM ERZ, VERFAHREN ZUR HERSTELLUNG VON REDUZIERTEM EISEN, AGGLOMERIERTES ERZ, SINTERMASCHINE UND PELLETBRENNOFEN

Title (fr)

PROCÉDÉ DE PRODUCTION DE MINÉRAI AGGLOMÉRÉ, PROCÉDÉ DE PRODUCTION DE FER RÉDUIT, MINÉRAI AGGLOMÉRÉ, MACHINE DE FRITTAGE ET FOUR DE CUISSON DE GRANULÉS

Publication

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Application

EP 22824662 A 20220408

Priority

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- JP 2022017432 W 20220408

Abstract (en)

To provide a method for producing agglomerated ore, with which reduced iron can be efficiently produced by hydrogen reduction, without the need for preheating raw material and raising the temperature of reducing gas. A method for producing agglomerated ore, the method including sintering a sintering raw material containing an iron-containing raw material and a condensation material in a sintering machine to form a sinter cake, and obtaining agglomerated ore by crushing the sinter cake, in which iron oxide contained in the sinter cake is reduced by distributing a reducing gas through the sinter cake on the sintering machine, to make a degree of reduction of iron oxide contained in the agglomerated ore after crushing 50 % or more.

IPC 8 full level

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CPC (source: EP)

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